RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/507,140A_
Source: _PCT_
Date Processed by STIC: _3/9/06_

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PCT

RAW SEQUENCE LISTING   DATE: 03/09/2006
PATENT APPLICATION: US/10/507,140A   TIME: 12:23:16

Input Set : E:\PUS_E005_105b.txt
Output Set: N:\CRF4\03092006\J507140A.raw

     3 <110> APPLICANT: NERI, Dario
     4   MELKKO, Samu
     6 <120> TITLE OF INVENTION: Encoded Self-Assembling Chemical Libraries
(Esachel)
     8 <130> FILE REFERENCE: PUS-E005-105B
    10 <140> CURRENT APPLICATION NUMBER: 10/507,140A
C--> 11 <141> CURRENT FILING DATE: 2004-09-07
    13 <150> PRIOR APPLICATION NUMBER: PCT/EP02/04153
    14 <151> PRIOR FILING DATE: 2002-03-08
    16 <160> NUMBER OF SEQ ID NOS: 28
    18 <170> SOFTWARE: PatentIn version 3.3
    20 <210> SEQ ID NO: 1
    21 <211> LENGTH: 60
    22 <212> TYPE: DNA
    23 <213> ORGANISM: Artificial Sequence
    25 <220> FEATURE:
    26 <223> OTHER INFORMATION: Primer L19VH_Eco_fo
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    29 tttcacacag aattcattaa agaggagaaa ttaactatgg aggtgcagct gttggagtct   60
    32 <210> SEQ ID NO: 2
    33 <211> LENGTH: 66
    34 <212> TYPE: DNA
    35 <213> ORGANISM: Artificial Sequence
    37 <220> FEATURE:
    38 <223> OTHER INFORMATION: Primer L19VH_Hind_ba
    40 <400> SEQUENCE: 2
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    43 cagggt   66
    46 <210> SEQ ID NO: 3
    47 <211> LENGTH: 63
    48 <212> TYPE: DNA
    49 <213> ORGANISM: Artificial Sequence
    51 <220> FEATURE:
    52 <223> OTHER INFORMATION: Primer L19VL_Eco_fo
    54 <400> SEQUENCE: 3
    55 tttcacacag aattcattaa agaggagaaa ttaactatgg aaattgtgtt gacgcagtct   60
    57 cca   63
    60 <210> SEQ ID NO: 4
    61 <211> LENGTH: 69
    62 <212> TYPE: DNA
    63 <213> ORGANISM: Artificial Sequence
    65 <220> FEATURE:
    66 <223> OTHER INFORMATION: Primer L19VL_Hind_ba
    68 <400> SEQUENCE: 4

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 71 ggtcccttg                                                              69
 74 <210> SEQ ID NO: 5
 75 <211> LENGTH: 60
 76 <212> TYPE: DNA
 77 <213> ORGANISM: Artificial Sequence
 79 <220> FEATURE:
 80 <223> OTHER INFORMATION: Primer HH10VH_Eco_fo
 82 <400> SEQUENCE: 5
 83 tttcacacag aattcattaa agaggagaaa ttaactatgg aggtgaagct gcagcagtct      60
 86 <210> SEQ ID NO: 6
 87 <211> LENGTH: 66
 88 <212> TYPE: DNA
 89 <213> ORGANISM: Artificial Sequence
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: Primer HH10VH_Hind_ba
 94 <400> SEQUENCE: 6
 95 tcaatctgat taagcttagt gatggtgatg gtgatgacat ccacctgcag agacagtgac      60
 97 cagagt                                                                 66
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 63
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Primer HH10VL_Eco_fo
108 <400> SEQUENCE: 7
109 tttcacacag aattcattaa agaggagaaa ttaactatgg atattgtgct aactcagtct      60
111 cca                                                                    63
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 69
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Primer HH10VL_Hind_ba
122 <400> SEQUENCE: 8
123 tcaatctgat taagcttagt gatggtgatg gtgatgacat ccacctttta tttccagctt      60
125 ggtcccccc                                                              69
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 48
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: with 5' -thiol
136 <400> SEQUENCE: 9
137 ggagcttctg aattctgtgt gctgcataat cgacacgaat tccgcagc                   48
140 <210> SEQ ID NO: 10
141 <211> LENGTH: 48
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
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145 <220> FEATURE:
146 <223> OTHER INFORMATION: with 3' -thiol
148 <400> SEQUENCE: 10
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152 <210> SEQ ID NO: 11
153 <211> LENGTH: 48
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: HyHel10_5SH with 5'-thiol
160 <400> SEQUENCE: 11
161 ggagcttctg aattctgtgt gctgcagtgg cgacacgaat tccgcagc              48
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 48
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Primer HyHel10_3SH with 3'-thiol
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173 tcgcgagggg aattcgtcat agggcagcac acagaattca gaagctcc              48
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 48
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Primer GST_5SH with 5'-thiol
184 <400> SEQUENCE: 13
185 ggagcttctg aattctgtgt gctgctgagg cgacacgaat tccgcagc              48
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 48
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Primer GST_3SH with 3'-thiol
196 <400> SEQUENCE: 14
197 tcgcgagggg aattcgtcaa gaggcagcac acagaattca gaagctcc              48
200 <210> SEQ ID NO: 15
201 <211> LENGTH: 24
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Primer 1AB_PCRfo
208 <400> SEQUENCE: 15
209 ggagcttctg aattctgtgt gctg                                       24
212 <210> SEQ ID NO: 16
213 <211> LENGTH: 18
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
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Input Set : **E:\PUS_E005_105b.txt**
Output Set: **N:\CRF4\03092006\J507140A.raw**

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218 <223> OTHER INFORMATION: Primer 1A_PCRba
220 <400> SEQUENCE: 16
221 gctgcggaat tcgtgtcg                                                    18
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225 <211> LENGTH: 18
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Primer 1B_PCRba
232 <400> SEQUENCE: 17
233 tcgcgagggg aattcgtc                                                    18
236 <210> SEQ ID NO: 18
237 <211> LENGTH: 39
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Primer typeB_oligo
244 <400> SEQUENCE: 18
245 gcataccgga attcccagca taatgatcgc tatcgctgc                             39
248 <210> SEQ ID NO: 19
249 <211> LENGTH: 63
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <221> NAME/KEY: modified_base
255 <222> LOCATION: (40)..(45)
256 <223> OTHER INFORMATION: Primer typeA_oligo with spacer elements n; n =
deoxyribose backbone elements without bases
258 <400> SEQUENCE: 19
259 cgtcagctcg aattctccat atatgcagcg atagcgatcd dddddctggg aattccggta      60
261 tgc                                                                    63
264 <210> SEQ ID NO: 20
265 <211> LENGTH: 18
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Primer CodeABfo
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273 gcataccgga attcccag                                                    18
276 <210> SEQ ID NO: 21
277 <211> LENGTH: 18
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Primer CodeABba
284 <400> SEQUENCE: 21
285 cgtcagctcg aattctcc                                                    18
288 <210> SEQ ID NO: 22
289 <211> LENGTH: 29
290 <212> TYPE: DNA
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    291 <213> ORGANISM: Artificial Sequence
    293 <220> FEATURE:
    294 <223> OTHER INFORMATION: Primer with 5' sequence specifically coding a
member of a
    295       sublibrary; where n is a, c, g, or t
    298 <220> FEATURE:
    299 <221> NAME/KEY: misc_feature
    300 <222> LOCATION: (1)..(5)
    301 <223> OTHER INFORMATION: n is a, c, g, or t
    303 <400> SEQUENCE: 22
W--> 304 nnnnncagca cacagaattc agaagctcc                                    29
    307 <210> SEQ ID NO: 23
    308 <211> LENGTH: 29
    309 <212> TYPE: DNA
    310 <213> ORGANISM: Artificial Sequence
    312 <220> FEATURE:
    313 <223> OTHER INFORMATION: Primer with a 3' sequence specific for a member
of a library;
    314       where n is a, c, g, or t
    317 <220> FEATURE:
    318 <221> NAME/KEY: misc_feature
    319 <222> LOCATION: (25)..(29)'
    320 <223> OTHER INFORMATION: n is a, c, g, or t
    322 <400> SEQUENCE: 23
W--> 323 ggagcttctg aattctgtgt gctgnnnnn                                    29
    326 <210> SEQ ID NO: 24
    327 <211> LENGTH: 24
    328 <212> TYPE: DNA
    329 <213> ORGANISM: Artificial Sequence
    331 <220> FEATURE:
    332 <223> OTHER INFORMATION: Primer with 5' sequence specific for a chemical
moiety linked to
    333       primer by a biotinylated base analog
    335 <400> SEQUENCE: 24
    336 cagcacacag aattcagaag ctcc                                          24
    339 <210> SEQ ID NO: 25
    340 <211> LENGTH: 48
    341 <212> TYPE: DNA
    342 <213> ORGANISM: Artificial Sequence
    344 <220> FEATURE:
    345 <223> OTHER INFORMATION: Primer with 5' iminobiotinyl-NH-(CH2)6 group
    347 <400> SEQUENCE: 25
    348 ggagcttctg aattctgtgt gctgattggc cgacacgaat tccgcagc               48
    351 <210> SEQ ID NO: 26
    352 <211> LENGTH: 48
    353 <212> TYPE: DNA
    354 <213> ORGANISM: Artificial Sequence
    356 <220> FEATURE:
    357 <223> OTHER INFORMATION: Primer with 3' (CH2)6-NH-iminobiotinyl group
    359 <400> SEQUENCE: 26
    360 tcgcgagggg aattcgtcat ttaccagcac acagaattca gaagctcc               48
    363 <210> SEQ ID NO: 27
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/09/2006
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Input Set : E:\PUS_E005_105b.txt
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the
<220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:22; N Pos. 1,2,3,4,5
Seq#:23; N Pos. 25,26,27,28,29

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes
spaces.

Seq#:19; Line(s) 256

VERIFICATION SUMMARY   DATE: 03/09/2006
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Input Set : **E:\PUS_E005_105b.txt**
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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0